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(51) INT CL⁶

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B8K KFC K2G5 K2K1 K2L K2X2
B5D DSS1

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(58) Field of search

UK CL (Edition K) B5D DSS1, B8K KFB KFC KFD
INT CL⁶ B31B, B65D

(54) Bags for liquids and their manufacture

(57) A recyclable, flexible plastics bag for carrying liquids and having a top spout 2 includes an intermediate plate 3 to which the spout is welded and which is welded to the bag body.

Tape 12 to form the plates 3 is fed past a punch 13, 14 which forms orifices 7, welding means 15, 16 which weld spouts 2 thereto at their rims (5, fig 3 not shown), wheels 17 which fold the tape backwards, and cutters 18 to provide individual plates 3. The plates are transferred by an arm 19 to moving strips 20, which have windows 21 formed by cutting and folding back a flap 22, and dies 24, 24', 25, 25' weld together the strips 20, flaps 22 and plates 3. The strips thereafter receive peripheral welds and are cut to form the bags.

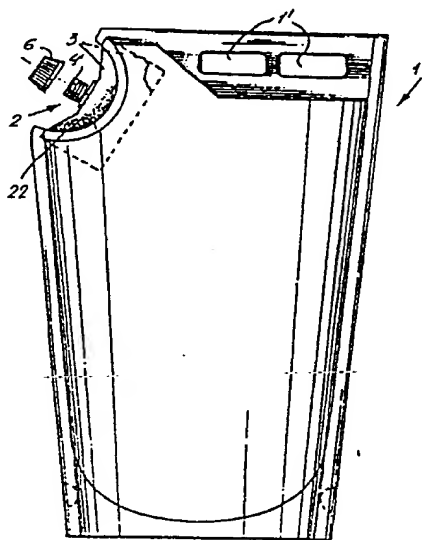


Fig. 1

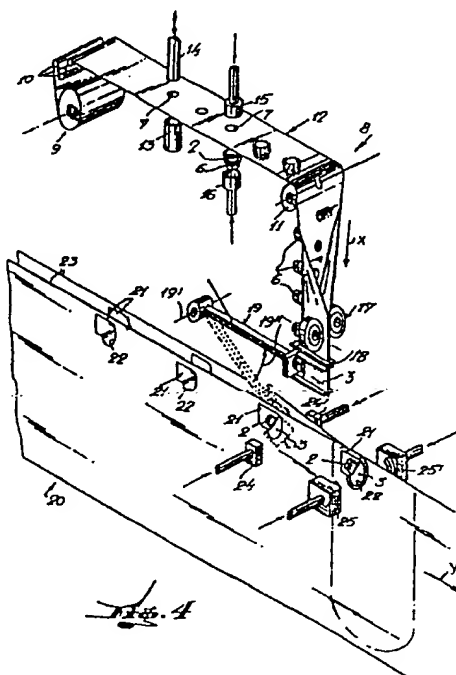


Fig. 4

GB 2 241 487 A